Hydrologist (19-2043.00)

At-a-Glance Statistics

Sample Job Titles
- Environmental Consultant
- Groundwater Consultant
- Groundwater Programs Director
- Hydrogeologist
- Hydrologist
- Physical Scientist
- Research Hydrologist
- Scientist
- Source Water Protection Specialist
- Water Resources Program Director

Key Tasks
- Design and conduct scientific hydrogeological investigations to ensure that information is available for use in water resource management decisions
- Measure and graph phenomena such as lake levels and stream flows
- Promote the conservation and preservation of water resources
- Study public water supply issues, including flood and drought risks, water quality, wastewater, and impacts on wetland habitats
- Apply research findings to help minimize the environmental impacts of pollution, waterborne diseases, erosion, and sedimentation
- Study and document quantities, distribution, disposition, and development of underground and surface waters
- Install, maintain, and calibrate instruments that monitor water levels, rainfall, and sediments
- Study and analyze the physical aspects of the earth in terms of hydrological components, including atmosphere, hydrosphere, and interior structure
- Evaluate research data in terms of its impact on issues such as soil and water conservation, flood control planning, and water supply forecasting
- Collect and analyze water samples as part of field investigations
- Evaluate data and provide recommendations regarding the feasibility of municipal projects, such as hydroelectric power plants, irrigation systems, flood warning systems, and waste treatment facilities
- Conduct climate assessments and study storm occurrences

Education and Training

- Master's Degree: 52%
- Post-Bachelor's Certificate: 39%
- Bachelor's Degree: 4%

Median Wages

- Hourly: $38.16
- Annually: $79,370

Top Industries

- Government
- Professional, Scientific, and Technical Services

Employment Projection

- 7,000 positions
- 800 job openings

Top Ten States for Occupational Percentage Growth

- UT: 57%
- CO: 22%
- FL: 21%
- WA: 18%
- TX: 17%
- MO: 14%
- MT: 14%
- AZ: 13%
- ID: 11%
- ND: 10%